From the INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:
JEFFREY D. WASHVILLE
LORUSSO LOUD & KELLY LLP
PEASE INTERNATIONAL TRADESPORT
15 RYE STREET, SUITE 312
PORTSMOUTH NH 03801

PCT

15 RYE STREET, SUITE 312 PORTSMOUTH, NH 03801		WRITTEN OPINION		
			(PCT Rule 66)	
		Date of Mailing (day/month/year)	1.3 AUG 2004	
Applicant's or agent's file reference		REPLY DUE	2	
MAV-102-PCT		within 1 months/days from the above date of mailing		
International application No.	nternational filing date (d	day/month/year)	Priority date (day/month/year)	
PCT/US03/17040 0	3 June 2003 (03.06.2003	3)	03 June 2002 (03.06.2002)	
International Patent Classification (IPC) or	both national classificati	ion and IPC		
IPC(7): F02C 7/00 and US Cl.: 60/772, 80	3		•	
Applicant				
VIBRO-METER INC.				
1. This written opinion is the <u>first</u>	(first, etc,) drawn by th	his International Pre	eliminary Examining Authority.	
2. This opinion contains indications	relating to the followin	ng items:		
I Basis of the opinion				
II Priority				
III Non-establishment of	f opinion with regard to	novelty, inventive s	step and industrial applicability	
IV Lack of unity of inve				
<u></u>				
citations and explana	tions supporting such sta	vith regard to noveli atement	ty, inventive step or industrial applicability;	
VI Certain documents ci	ted			
VII Certain defects in the	international application	tion		
	on the international appl			
Serial observations	on the international appi	neation		
3. The applicant is hereby invited to			·	
When? See the time limi this Authority to	t indicated above. The a	applicant may, befo -rule 66.2(d).	ore the expiration of that time limit, request	
How? By submitting a v For the form and	written reply, accompani the language of the ame	ied, where appropri	iate, by amendments, according to Rule 66.3.	
Also For an additional	opportunity to submit a	mendments, see Ru	ile 66.4.	
For an informal of	communication with the	examiner, see Rule	or arguments, see Rule 66.4 bis.	
If no reply is filed, the internati	onal preliminary examin	nation report will be	e established on the basis of this opinion.	
 The final date by which the inter examination report must be established. 	national preliminary			
Name and mailing address of the IPEA/US		-//	A	
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents		Authorized officer		
P.O. Box 1450 Louis J. Casaregola				
Alexandria, Virginia 22313-1450 Facsimile No. (703)305-3230	/	Telephone No. 70	3-308-0861	
Form PCT/IPEA/408 (cover sheet)(July 19	998)			



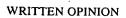
internation	neation No.
PCT/US03/17040)

1.	Basis of the opinion
1.	With regard to the elements of the international application:*
	the international application as originally filed
	the description:
	pages 1-35, as originally filed
	pages NONE , filed with the demand
	pages NONE , filed with the letter of
	the claims:
	pages 36-44, as originally filed
	pages NONE, as amended (together with any statement) under Article 19
	pages NONE , filed with the demand , filed with the letter of
1	the drawings:
1	pages 1-11 , as originally filed
	pages NONE, filed with the demand pages NONE, filed with the letter of
	the sequence listing part of the description:
	pages NONE , as originally filed
	pages NONE, filed with the demand pages NONE, filed with the letter of
2.	With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language which is:
	the language of a translation furnished for the purposes of international search (under Rule23.1(b)).
	the language of publication of the international application (under Rule 48.3(b)).
	the language of the translation furnished for the purposes of international preliminary examination(under Rules 55.2 and/or 55.3).
3.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the written opinion was drawn on the basis of the sequence listing:
ļ	contained in the international application in printed form.
}	filed together with the international application in computer readable form.
	furnished subsequently to this Authority in written form.
	furnished subsequently to this Authority in computer readable form.
	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
	The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.
4.	The amendments have resulted in the cancellation of:
	the description, pages NONE
	the claims, Nos. NONE
1.	the drawings, sheets/fig NONE
5.	This opinion has been drawn as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
* R this	eplacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in opinion as "originally filed."
Form	PCT/IPEA/408 (Box I) (July 1998)



Internation No. PCT/US03/17040

1. STATEMENT			
Novelty (N)	Claims	3, 4, 7-23	YES
		1, 2, 5, and 6	NO
Inventive Step (IS)	Claima	10.19 101.00	
intended step (15)		10-18 and 21-23 1-9, 19, and 20	YES NO
		- 7, 17, and 20	NO
Industrial Applicability (IA)	Claims	1-23	YES
	Claims	NONE	NO
Claims 3, 4, 19, and 20 lack an inventive step under computer and storage device for saving and procession and evaluating the system's operations. Claims 7-9 lack an inventive step under PCT Article energy in a turbine's exhaust is an obvious alternative elements 215-218. Claims 10-18 and 21-23 meet the criteria set out in Invarious optical and signal processing features describe made and/or used in industry.	ag Minot's sig 33(3) as being te to sensing ra PCT Article 33 ped in those cla	gobvious over Minot et al in view of Madiant energy in the turbine's combustor (2)-(3), because the prior art does not to aims.	forey. Sensing radiant; see Morey's Figure 2, each or fairly suggest the
NEW CITATIONS			



Form PCT/IPEA/408 (Supplemental Box) (July 1998)



Internat application No. PCT/US03/17040

Supplemental Box (To be used when the space in a	any of the preceding boxes is	not sufficient)			
(To be used when the space in any of the preceding boxes is not sufficient) TIME LIMIT: The time limit set for response to a Written Opinion may not be extended. 37 CFR 1.484(d). Any response received after the expiration of the time limit set in the Written Opinion will not be considered in preparing the International Preliminary Examinat Report.					